

### **ABSTRACT OF THE DISCLOSURE**

In a method for automatic creation of a template for a morphology sensitive detector for an implantable cardiac stimulating device and a cardiac stimulating device operating according to the method, a predetermined length of the heart signal is recorded and filtered, all deflections exceeding a predetermined amplitude are identified and stored based on the condition that selected deflections must be separated at least by a predetermined amount of time, all selected deflections are categorized into separate classes, and the most representative class or classes for creation of the template is selected.